



IFWO

## RAW SEQUENCE LISTING

DATE: 09/13/2004

PATENT APPLICATION: US/10/629,649A

TIME: 11:20:40

Input Set : A:\18528.636.SeqList.txt

Output Set: N:\CRF4\09132004\J629649A.raw

3 <110> APPLICANT: BEELEY, NIGEL R. A.  
 4 PRICKETT, KATHRYN S.  
 5 YOUNG, ANDREW A.  
 6 HATHAWAY, DAVID R.  
 8 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING POLYCYSTIC OVARY SYNDROME

10 <130> FILE REFERENCE: 18528.636  
 12 <140> CURRENT APPLICATION NUMBER: 10/629,649A  
 13 <141> CURRENT FILING DATE: 2003-07-30  
 15 <150> PRIOR APPLICATION NUMBER: 10/317,126  
 16 <151> PRIOR FILING DATE: 2002-12-11  
 18 <150> PRIOR APPLICATION NUMBER: PCT/US03/01109  
 19 <151> PRIOR FILING DATE: 2003-01-14  
 21 <150> PRIOR APPLICATION NUMBER: 60/350,395  
 22 <151> PRIOR FILING DATE: 2002-01-22  
 24 <160> NUMBER OF SEQ ID NOS: 225  
 26 <170> SOFTWARE: PatentIn version 3.2  
 29 <210> SEQ ID NO: 1  
 30 <211> LENGTH: 37  
 31 <212> TYPE: PRT  
 32 <213> ORGANISM: Unknown  
 34 <220> FEATURE:  
 35 <223> OTHER INFORMATION: Description of Unknown Organism: Mammalian GLP peptide  
 37 <400> SEQUENCE: 1  
 38 His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val  
 39 1 5 10 15  
 41 Ser Ser Tyr Leu Glu Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu  
 42 20 25 30  
 44 Val Lys Gly Arg Gly  
 45 35  
 48 <210> SEQ ID NO: 2  
 49 <211> LENGTH: 36  
 50 <212> TYPE: PRT  
 51 <213> ORGANISM: Unknown  
 53 <220> FEATURE:  
 54 <223> OTHER INFORMATION: Description of Unknown Organism: Mammalian GLP peptide  
 56 <220> FEATURE:  
 57 <223> OTHER INFORMATION: C-term amidated  
 59 <400> SEQUENCE: 2  
 60 His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val  
 61 1 5 10 15  
 63 Ser Ser Tyr Leu Glu Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu  
 64 20 25 30  
 66 Val Lys Gly Arg

(pg. 6-7)  
**ENTERED**

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72 <212> TYPE: PRT
73 <213> ORGANISM: Unknown
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Description of Unknown Organism: Mammalian GLP peptide
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82 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
83   20          25          30
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87 <211> LENGTH: 30
88 <212> TYPE: PRT
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91 <220> FEATURE:
92 <223> OTHER INFORMATION: Description of Unknown Organism: Mammalian GLP peptide
94 <220> FEATURE:
95 <223> OTHER INFORMATION: C-term amidated
97 <400> SEQUENCE: 4
98 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
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107 <212> TYPE: PRT
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110 <220> FEATURE:
111 <223> OTHER INFORMATION: Description of Unknown Organism: Truncated form of GLP-1
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118   20          25
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123 <212> TYPE: PRT
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127 <223> OTHER INFORMATION: Description of Unknown Organism: Truncated form of GLP-1
129 <220> FEATURE:
130 <223> OTHER INFORMATION: C-term amidated
132 <400> SEQUENCE: 6
133 Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly Gln Ala
134   1          5          10          15
136 Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
137   20          25

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148 <220> FEATURE:
149 <223> OTHER INFORMATION: C-term amidated
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153   1           5           10           15
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156           20           25           30
158 Ser Gly Ala Pro Pro Pro Ser
159           35
162 <210> SEQ ID NO: 8
163 <211> LENGTH: 31
164 <212> TYPE: PRT
165 <213> ORGANISM: Unknown
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Description of Unknown Organism: Exendin 4 (9-39) (NH2)
170 <220> FEATURE:
171 <223> OTHER INFORMATION: C-term amidated
173 <400> SEQUENCE: 8
174 Asp Leu Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu
175   1           5           10           15
177 Trp Leu Lys Asn Gly Gly Pro Ser Ser Gly Ala Pro Pro Pro Ser
178           20           25           30
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183 <212> TYPE: PRT
184 <213> ORGANISM: Unknown
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of Unknown Organism: Exendin 4
189 <220> FEATURE:
190 <223> OTHER INFORMATION: C-term amidated
192 <400> SEQUENCE: 9
193 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
194   1           5           10           15
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197           20           25           30
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204 <211> LENGTH: 38
205 <212> TYPE: PRT
206 <213> ORGANISM: Unknown
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Description of Unknown Organism: Helospectin I

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216           20           25           30
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219           35
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223 <211> LENGTH: 37
224 <212> TYPE: PRT
225 <213> ORGANISM: Unknown
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Description of Unknown Organism: Helospectin II
230 <400> SEQUENCE: 11
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232   1           5           10           15
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235           20           25           30
237 Pro Arg Pro Pro Ser
238           35
241 <210> SEQ ID NO: 12
242 <211> LENGTH: 35
243 <212> TYPE: PRT
244 <213> ORGANISM: Unknown
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247 <223> OTHER INFORMATION: Description of Unknown Organism: Helodermin
249 <220> FEATURE:
250 <223> OTHER INFORMATION: C-term amidated
252 <400> SEQUENCE: 12
253 His Ser Asp Ala Ile Phe Thr Glu Glu Tyr Ser Lys Leu Leu Ala Lys
254   1           5           10           15
256 Leu Ala Leu Gln Lys Tyr Leu Ala Ser Ile Leu Gly Ser Arg Thr Ser
257           20           25           30
259 Pro Pro Pro
260           35
263 <210> SEQ ID NO: 13
264 <211> LENGTH: 35
265 <212> TYPE: PRT
266 <213> ORGANISM: Unknown
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Description of Unknown Organism: Q8, Q9 heliodermin
271 <220> FEATURE:
272 <223> OTHER INFORMATION: C-term amidated
274 <400> SEQUENCE: 13
275 His Ser Asp Ala Ile Phe Thr Gln Gln Tyr Ser Lys Leu Leu Ala Lys
276   1           5           10           15
278 Leu Ala Leu Gln Lys Tyr Leu Ala Ser Ile Leu Gly Ser Arg Thr Ser
279           20           25           30
281 Pro Pro Pro

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Input Set : A:\18528.636.SeqList.txt

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282          35
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288 <213> ORGANISM: Artificial sequence
290 <220> FEATURE:
291 <223> OTHER INFORMATION: Description of Artificial Sequence: Truncated
292     form of exendin-4
294 <400> SEQUENCE: 14
295 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
296 1          5          10          15
298 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly
299          20          25          30
302 <210> SEQ ID NO: 15
303 <211> LENGTH: 30
304 <212> TYPE: PRT
305 <213> ORGANISM: Artificial sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Description of Artificial Sequence: Truncated form
309     of Exendin-4
311 <220> FEATURE:
312 <223> OTHER INFORMATION: C-term amidated
314 <400> SEQUENCE: 15
315 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
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318 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly
319          20          25          30
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324 <212> TYPE: PRT
325 <213> ORGANISM: Artificial Sequence
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328 <223> OTHER INFORMATION: Description of Artificial Sequence: Truncated form
329     of Exendin-4
331 <220> FEATURE:
332 <223> OTHER INFORMATION: C-term amidated
334 <400> SEQUENCE: 16
335 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
336 1          5          10          15
338 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
339          20          25
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343 <211> LENGTH: 39
344 <212> TYPE: PRT
345 <213> ORGANISM: Artificial sequence
347 <220> FEATURE:
348 <223> OTHER INFORMATION: Description of Artificial Sequence: 14-Leu, 25-Phe form
349     of exendin-4
351 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY  
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Input Set : A:\18528.636.SeqList.txt  
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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:20; Xaa Pos. 1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23,24  
Seq#:20; Xaa Pos. 25,26,27,28,29,30,31,32,33,34,35,36,37,38  
Seq#:21; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23  
Seq#:21; Xaa Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39  
Seq#:22; Xaa Pos. 1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23,24  
Seq#:22; Xaa Pos. 25,26,27,28,29,30,31,32,33,34,35,36,37,38  
Seq#:23; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23  
Seq#:23; Xaa Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39  
Seq#:24; Xaa Pos. 1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23,24  
Seq#:24; Xaa Pos. 25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40  
Seq#:25; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23  
Seq#:25; Xaa Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41  
Seq#:26; Xaa Pos. 1,2,3,6,7,8,9,10,14,22,23,24,25,31,36,37,38,39  
Seq#:27; Xaa Pos. 1,2,3,6,7,8,9,10,14,22,23,24,25,27,30,35,36,37,38  
Seq#:37; Xaa Pos. 6  
Seq#:42; Xaa Pos. 10  
Seq#:43; Xaa Pos. 10  
Seq#:44; Xaa Pos. 14  
Seq#:45; Xaa Pos. 14  
Seq#:46; Xaa Pos. 22  
Seq#:49; Xaa Pos. 23  
Seq#:50; Xaa Pos. 23  
Seq#:53; Xaa Pos. 31,36,37,38  
Seq#:54; Xaa Pos. 36,37,38  
Seq#:55; Xaa Pos. 31,36,37,38  
Seq#:56; Xaa Pos. 36,37,38  
Seq#:57; Xaa Pos. 31,36,37,38  
Seq#:58; Xaa Pos. 31,36,37,38  
Seq#:59; Xaa Pos. 31,36,37,38  
Seq#:60; Xaa Pos. 36,37,38  
Seq#:61; Xaa Pos. 31,36,37,38  
Seq#:103; Xaa Pos. 31,36,37,38  
Seq#:104; Xaa Pos. 36,37,38  
Seq#:105; Xaa Pos. 31  
Seq#:106; Xaa Pos. 31,36,37  
Seq#:107; Xaa Pos. 31,36,37  
Seq#:108; Xaa Pos. 31,36  
Seq#:111; Xaa Pos. 6  
Seq#:115; Xaa Pos. 10  
Seq#:116; Xaa Pos. 22  
Seq#:117; Xaa Pos. 23  
Seq#:121; Xaa Pos. 31,36,37  
Seq#:137; Xaa Pos. 6  
Seq#:138; Xaa Pos. 6

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Input Set : A:\18528.636.SeqList.txt  
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Seq#:149; Xaa Pos. 10  
Seq#:150; Xaa Pos. 10  
Seq#:159; Xaa Pos. 14  
Seq#:160; Xaa Pos. 14  
Seq#:173; Xaa Pos. 22  
Seq#:174; Xaa Pos. 22  
Seq#:177; Xaa Pos. 23

## VERIFICATION SUMMARY

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Input Set : A:\18528.636.SeqList.txt

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L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
M:341 Repeated in SeqNo=20  
L:827 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
M:341 Repeated in SeqNo=21  
L:1033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
M:341 Repeated in SeqNo=22  
L:1249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
M:341 Repeated in SeqNo=23  
L:1470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
M:341 Repeated in SeqNo=24  
L:1701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
M:341 Repeated in SeqNo=25  
L:1822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
M:341 Repeated in SeqNo=26  
L:1959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0  
M:341 Repeated in SeqNo=27  
L:2172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0  
L:2287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0  
L:2314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0  
L:2341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0  
L:2368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0  
L:2398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:16  
L:2469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:16  
L:2496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:16  
L:2572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:16  
M:341 Repeated in SeqNo=53  
L:2602 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:32  
L:2631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:16  
M:341 Repeated in SeqNo=55  
L:2661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:32  
L:2690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:16  
M:341 Repeated in SeqNo=57  
L:2722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:16  
M:341 Repeated in SeqNo=58  
L:2754 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:16  
M:341 Repeated in SeqNo=59  
L:2784 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:32  
L:2813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:16  
M:341 Repeated in SeqNo=61  
L:3660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103 after pos.:16  
M:341 Repeated in SeqNo=103  
L:3690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:104 after pos.:32  
L:3714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105 after pos.:16  
L:3746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:16  
M:341 Repeated in SeqNo=106  
L:3778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:16  
M:341 Repeated in SeqNo=107  
L:3810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108 after pos.:16



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M:341 Repeated in SeqNo=108

L:3875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:0

L:4144 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:124